

Title (en)
CAMERA MODULE AND MOBILE TERMINAL

Title (de)
KAMERAMODUL UND MOBILES ENDGERÄT

Title (fr)
MODULE DE CAMÉRA ET TERMINAL MOBILE

Publication
EP 4141540 A1 20230301 (EN)

Application
EP 21792193 A 20210423

Priority
• KR 20200050272 A 20200424
• KR 20200050292 A 20200424
• KR 20200050307 A 20200424
• KR 2021005184 W 20210423

Abstract (en)
A camera module disclosed in an embodiment of the invention includes: a first holder having a plurality of first lens groups arranged in a first direction; a second holder having a plurality of second lens groups arranged in the first direction; and a first driving means for moving the first holder having the plurality of first lens groups in the optical axis direction, wherein each of the plurality of first lens groups may include a plurality of lenses, and each of the plurality of second lens groups may include a plurality of lenses.

IPC 8 full level
G03B 17/12 (2006.01); **G03B 17/17** (2006.01); **H04M 1/02** (2006.01)

CPC (source: EP US)
G02B 13/0065 (2013.01 - EP); **G02B 15/02** (2013.01 - EP); **G03B 3/00** (2013.01 - EP); **G03B 30/00** (2021.01 - EP); **H04M 1/0264** (2013.01 - EP US); **H04N 23/45** (2023.01 - EP); **H04N 23/55** (2023.01 - EP US); **H04N 23/57** (2023.01 - EP US); **H04N 23/90** (2023.01 - US); **G02B 7/008** (2013.01 - EP); **G02B 13/009** (2013.01 - EP); **G03B 2205/0007** (2013.01 - EP); **G03B 2205/0046** (2013.01 - EP); **G03B 2205/0069** (2013.01 - EP)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4141540 A1 20230301; **EP 4141540 A4 20231101**; CN 115461679 A 20221209; JP 2023522418 A 20230530; US 2023171336 A1 20230601; WO 2021215880 A1 20211028

DOCDB simple family (application)
EP 21792193 A 20210423; CN 202180030598 A 20210423; JP 2022564307 A 20210423; KR 2021005184 W 20210423; US 202117997001 A 20210423